B. Sullivan showed a.m. - 7/8, results showed Hex Cr at < 10 ug/g

001009

176560

Greg

NEIL F. HARTIGAN
ATTORNEY GENERAL
STATE OF ILLINOIS
CHICAGO
60601

July 8, 1986

Mr. Gregory A. Vanderlaan
Chief, Superfund Remedial Response
U. S. Environmental Protection Agency
Region V
230 South Dearborn Street
Chicago, Illinois 60604

Re: A-Chem Area Sampling,
6-28-86

Dear Mr. Vanderlaan:

Enclosed find a memorandum prepared by Jim Van der Kloot describing the sampling done by him and Howard Chinn in reference to the A-Chem site.

We have not received the additional information which we hoped to include in this memorandum. Upon receipt of it, we will give it to you telephonically.

Yours very truly,

William G. Sullivan
Chief,
Toxic Waste Strike Force
312/917-5131

WGS:mk
encls.

OFFICE OF ATTORNEY GENERAL

MEMORANDUM

NEIL F. HARTIGAN
ATTORNEY GENERAL

TO : file

FROM : Jim Van der Kloot, Biochemist/Geologist, Environmental Control Division

DATE : July 8, 1986

SUBJECT : A-Chem Area Sampling, 6-28-86

The following is a description of sampling which took place near to the A-Chem site on 6-28-86, between 10:00am and 11:13am.

Soil samples were collected using wooden tongue depressers which were discarded after each use. All soil samples were collected from the top 1/2" from the ground surface. Samples were placed in 1 quart polyethylene bottles with no preservatives. Samples were placed in a cooler containing ice.
The caps of the bottles were sealed with evidence tape and marked with a magic marker. The sample identification was written on the bottle using a magic marker. Chain of custody forms were maintained.

Sample #1 1326 Western Armando Martinez, a resident at this address told us that there had been no flooding on this property during the A-Chem fire but that some material had oozed through the wallof A-Chem, and that there was a portion of his garden which would not support plant growth. This was the low section of his garden, and was sampled. The soil had a black, oily appearance.

Sample #2 Abandoned one-story house across the alley from A-Chem. Sample of soil collected from low, soggy area of back yard.

Sample #3 1313 Artesian Mike Ruiz, a resident of this building said that this yard had been flooded with a greenish material after the A-Chem fire. There was a greenish crust on the surface of the soil. A small boy who lives in this building said that the soil looks this way every year. A sample was collected from the low section of the back yard.

Sample #4 1317 Artesian Anna Martinez, a resident of this building said that this yard had been flooded during the fire. A soil sample was collected from the low area of the back yard.

Sample #5 1317 Artesian A soil sample was collected from the right-of-way in between the sidewalk and the street underneath a tree in front of 1317 Artesian. Area residents said that this area had been flooded during the A-Chem fire.

Sample #6 1303 Artesian Angelo Medina, a resident of this building, said that portions of his back yard had been flooded during the fire. A sample of fibrous material resembling decayed cardboard was collected from beneath the gate which leads to the alley behind 1303 Artesian.

Sample #7 1310 Western Josephine Zelek showed us a puddle of greenish material in her basement at the wall facing A-Chem,

in between her furnace and her oil tank. She said that this material seeps through the wall. A sample was collected using a plastic spoon.

LABORATORY ANALYSIS

Test methods specified in USEPA publication SW-846, TEST METHODS FOR EVALUATING SOLID WASTE were used.

The analysis were performed by Aqualab in Bartlett, Illinois. Analysis results conveyed to us by phone are as follows:

Sample #	Cr (tot)	Cr (EP Tox)	Cr (hex)	pH
1	18.9 mg/l	--		7.54
2	234 mg/l	.048 mg/l		8.58
3	42.7 mg/l	.012 mg/l		9.61
4	11.3 mg/l	--		7.78
5	12.6 mg/l	--		8.03
6	329. mg/l	.062 mg/l		8.97
7	1.7 mg/l	--		7.38

-- indicates analysis was not performed

Additionally, all samples were analyzed for total Cyanide, and all were found to contain less than the detection limit of 3 ppm.